

SYSTEM AND METHOD FOR GENERATING AN  
**MNP FLOW CHART (MULTI-NODAL-PROGRESSION )**

**ABSTRACT**

5 According to a preferred embodiment, there is provided an automatic flowcharting method for diagrammatically representing a multi-nodal process comprising processing operations and decision operations, the method comprising: converting processing operations and decision operations of the multi-nodal process into a data structure; analyzing the data structure for identifying a first group of processing operations that  
10 appear once in the data structure, and for identifying a second group of processing operations that are associated with two or more decision operations in the data structure; traversing said data structure to generate an ordered sequence of processing operations for visual representation; and generating a diagrammatic representation of the ordered sequence including orienting successive processing operations in a vertical dimension  
15 and associating attributes to each processing operation of the processing operations according to their identified group while offsetting each successive processing operation in a horizontal dimension, and linking each processing operation of the second group to a further processing step of the processing steps according to a decision operation of the two or more decision operations.